

Tracks

Technical



Big Picture



Education



Demo



Bringing Open Source to the Southeast
DEVELOPERS • EDUCATORS • IT LEADERS IN BUSINESS, GOVERNMENT, HEALTHCARE AND SECURITY



Technical

- AMQP, RabbitMQ (Messaging)
- GIS
- C++11
- Mobile App Development
- Databases, NoSQL
- Groovy/Grails
- Boost Libraries
- Twitter
- The Cloud

Big Picture

- SC Dept. of Corrections
- Open Security-DHS
- Build a Business on Open Source
- Freedom Box
- Open Identity in Ecommerce
- Licensing
- Starting an Open Source Project
- Convert Projects to Open Source

Education

- Classes using Open Source
- Reforming K-12 Education using Open Source
- Google Summer of Code / Code-in
- Open Source in Art
- 3D Printing and Intellectual Property
- Kickstarter
- Open Hardware
- Classroom Adoption of Open Source

Speakers

- Scott McNealy Sun Microsystems
- Jim Jagielski Apache Software Foundation
- Steve Graham EMC
- Chris Aniszczyk Twitter
- Bdale Garbee HP
- Jonathan LeBlanc PayPal
- Carol Smith Google
- Dave Abrahams Boost Consulting





1301 Gervais St.
Columbia, SC

<http://open-it-lab.com>

Open Software

Open Source Software is software whose original source code is made freely available and may be redistributed with or without modification.

open-it-lab.com/open/software

Open Hardware

Open Hardware is hardware whose design is made publicly available so that anyone can study, modify, distribute, make and sell the design or hardware based on that design.

open-it-lab.com/open/hardware

Open Content

Open Content describes any kind of creative work, or content, published under a license that explicitly allows copying and modifying of its information by anyone.

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OpenITLab

A part of
IT-oLogy

open-it-lab.com

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Awareness

A Dell Inspiron One 23 All-In-One touch-screen desktop, which serves as the PC platform.



A 24 inch iMac, which serves as the Macintosh platform.



A One Laptop Per Child (OLPC) machine, which contains the Sugar operating system.



A Zareason Media server - featuring Mythbuntu



An Arduino Uno, Open Source hardware.



A Thing-O-Matic, which is an Open Source 3D Printer. This is available to visitors to use and explore.



Education

- One Hour Lab Tour
- Open 101 (2hr – Intro/Ad, 4 hr – Intro/Ad)
- Open 101 for Teachers
- Ubuntu 101 –Introduction and Advanced
- Open 201 – Open Software in Depth
- Open 202 – Open Hardware in Depth
- System Administration 101 – OS included
- OS From the Geospatial Perspective



Research and Development

- Demonstrate that Open Source can be applied
- Students, teachers/professors, IT professionals can join a project and contribute
- Current project – Columbia Police Department
 - Make crime report information widely available
 - Web application
 - Mobile applications – Android, iPhone



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IT-oLogY is a non-profit collaboration of businesses, academic institutions and organizations dedicated to growing the IT talent pipeline, fostering economic development and advancing the IT profession.

IT-oLogY has 3 initiatives:



Promote IT

IT-oLogY works with K-12 schools to encourage the best and brightest young people and their parents to learn more about the IT profession.



Teach IT

In collaboration with IT-oLogY, companies work with colleges and universities on applied business research projects and experiential learning opportunities that strengthen and align classroom skills to current and future IT business needs.



Grow IT

IT-oLogY partners with IT professionals and their companies to provide innovative and life-long learning and professional development opportunities.





BlueCross BlueShield
of South Carolina



VC3
Assess | Improve | Manage
Information Technology



TM Floyd & Company
Building Better Solutions



redhat.



Immedion



Hubbell Lighting, Inc.



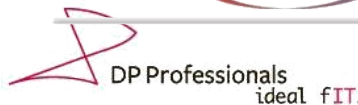
cyberwoven



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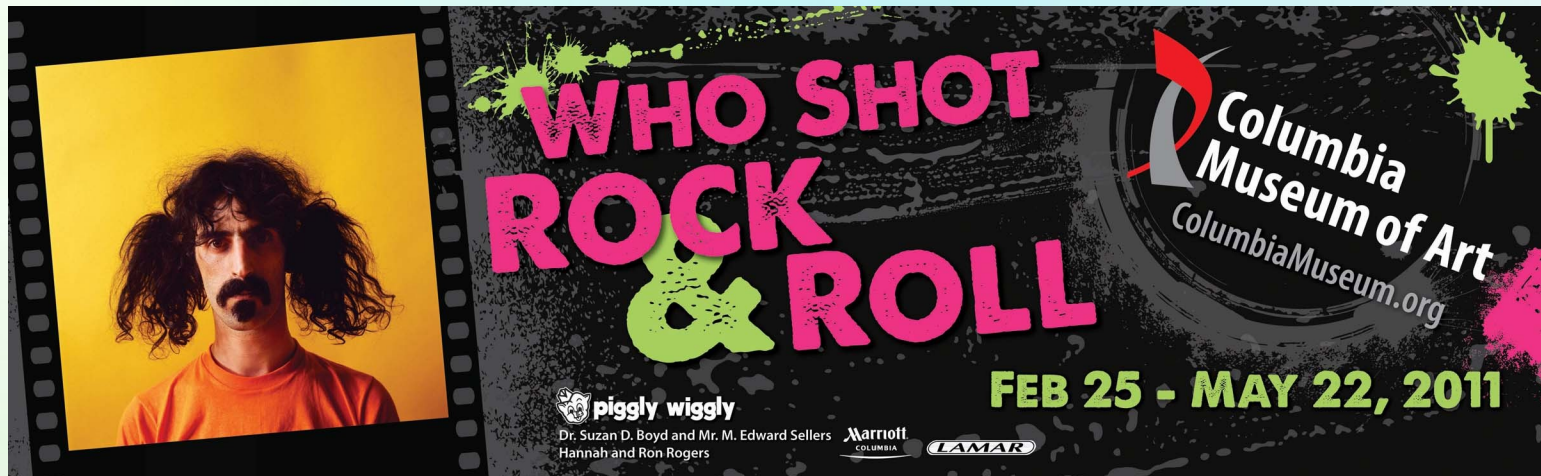
EDENS&AVANT



Academic Partners



Student as Professional



Student as Professional



Lexington Technology Center



Student as Professional

Nov 2010 – Jan 2011

Team Members



Project Manager
Business Analyst
Designer
Developer/Programmer
Quality Assurance

Student as Professional

Finished Product

<http://www.columbiamuseum.org/exhibitions/whoshotrock/index.php>

The screenshot shows the homepage of the 'Who Shot Rock & Roll' exhibition website. The header features the title 'WHO SHOT ROCK & ROLL' in large, stylized pink and green letters, with the subtitle 'A PHOTOGRAPHIC HISTORY, 1955 TO THE PRESENT' in green. The Columbia Museum of Art logo is in the top right corner. A navigation bar with a filmstrip background contains links: NEWS, EVENTS, PHOTOGRAPHER BIOS, OPENING PARTY, MULTIMEDIA, LOCAL PARTNERS, and EDUCATION TOOLS. The main content area on the left describes the exhibition as the first major one to put photographers in the foreground. A large black and white photo of a man with glasses is on the right. A call to action for museum membership is also present, along with a section for sponsors, including Piggly Wiggly.

WHO SHOT ROCK & ROLL
A PHOTOGRAPHIC HISTORY, 1955 TO THE PRESENT

Columbia Museum of Art
IN THE HEART OF DOWNTOWN, COLUMBIA SC

NEWS EVENTS PHOTOGRAPHER BIOS OPENING PARTY MULTIMEDIA LOCAL PARTNERS EDUCATION TOOLS

Who Shot Rock & Roll is the first major exhibition on **rock and roll** to put **photographers** in the foreground, acknowledging their creative & collaborative role in the *history* of rock music.

The exhibition includes 175 works by more than 100 photographers and

SEE IT FIRST. SEE IT FREE. JOIN TODAY.
Museum Membership

SPONSORS
Title Sponsor
 piggly wiggly
Feeds your life.

Lessons Learned

- Different Careers in IT
- What it takes to complete a successful project
 - Unexpected things ALWAYS happen
 - Communication is key
- I can do this for a living



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